An Apparatus and A Method For Sampling Digital Image

Abstract of the Disclosure

A method and an apparatus for down-scaling an input image. The input
5   image is composed of a series of image frames which are continuous in a
time sequence. These image frames is grouped into at least a first set and a
second s et o f i mage frames which are continuous and i nterchanging with
each other. Sampling models employed in the present invention are typically
following the method of skip-through. However, pixels contained in
10   different sets of image frames are sampled by using different sampling
models such that the lost of critical graphic information (e.g. pixel data) can
be minimized after down-scaling. These sampled pixels of each image frame
of each set are then output continuously by following the same order in the
same time sequence. As a result, the complexity in both operation and
15   architecture o f the apparatus and the method of the present invention are
reduced, and the problems of image blurring and losing partial image data
which might otherwise happen in the prior arts are also solved.